

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
17 March 2005 (17.03.2005)

PCT

(10) International Publication Number  
**WO 2005/024709 A1**

(51) International Patent Classification<sup>7</sup>: **G06K 9/00**

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
**PCT/KR2004/002299**

(22) International Filing Date:  
9 September 2004 (09.09.2004)

(25) Filing Language: **Korean**

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(26) Publication Language: **English**

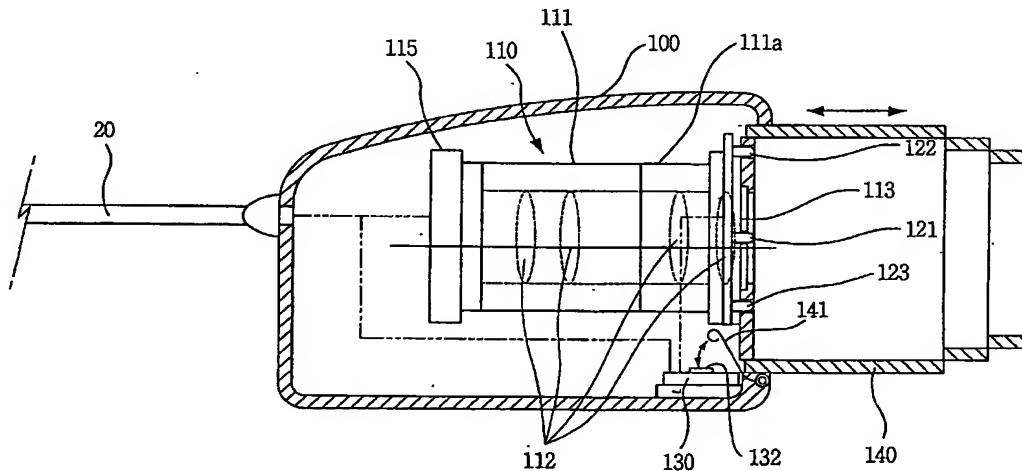
(30) Priority Data:  
10-2003-0063427  
9 September 2003 (09.09.2003) KR

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS FOR PHOTOGRAPHING IRIS PATTERN



WO 2005/024709 A1

(57) Abstract: Provided is an iris pattern photographing apparatus can photograph an iris of a person clearly even in a low-level illumination without a complicated device by using a simple-structured short lens capable of photographing the iris in a predetermined distance, and making the person place his iris within the focal distance of a digital camera easily; and it can be produced at a low cost and carried and set up conveniently. The apparatus includes a body case; a short lens digital camera, which is set up in the body case and includes a lens module and an imaging device; LED lamps, which are set up around a lens of the digital camera, for providing illumination; a power supplying means for supplying power source to the digital camera and the LED lamps; and a focal lens combined with a lens of the digital camera in the front for close contact photographing.